

IN THE UNITED STATES
PATENT AND TRADEMARK OFFICE

Declaration and Power of Attorney

As the below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled **KINETICALLY CONTROLLED SOLDER BONDING** the specification of which was filed on November 20, 1998.

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by an amendment, if any, specifically referred to in this oath or declaration.

I acknowledge the duty to disclose all information known to me which is material to patentability as defined in Title 37, Code of Federal Regulations, 1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, 119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

None

I hereby claim the benefit under Title 35, United States Code, 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, 112, I acknowledge the duty to disclose all information known to me to be material to patentability as defined in Title 37, Code of Federal Regulations, 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application:

None

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

I hereby appoint the following attorney(s) with full power of substitution and revocation, to prosecute said application, to make alterations and amendments therein, to receive the patent, and to transact all business in the Patent and Trademark Office connected therewith:

Lester H. Birnbaum	(Reg. No. 25830)
Richard J. Botos	(Reg. No. 32016)
Jeffery J. Brosemer	(Reg. No. 36096)
Kenneth M. Brown	(Reg. No. 37590)
Donald P. Dinella	(Reg. No. 39961)
Guy Eriksen	(Reg. No. P-41736)
Martin I. Finston	(Reg. No. 31613)
James H. Fox	(Reg. No. 29379)
Barry H. Freedman	(Reg. No. 26166)
Julio A. Garceran	(Reg. No. 37138)
Mony R. Ghose	(Reg. No. 38159)
Jimmy Goo	(Reg. No. 36528)
Anthony Grillo	(Reg. No. 36535)
Stephen M. Gurey	(Reg. No. 27336)
John M. Harman	(Reg. No. 38173)
Donald E. Hayes, Jr.	(Reg. No. 33245)
John W. Hayes	(Reg. No. 33900)
Mark A. Kurisko	(Reg. No. 38944)
Irena Lager	(Reg. No. 39260)
Christopher N. Malvone	(Reg. No. 34866)
Scott W. McLellan	(Reg. No. 30776)
Martin G. Meder	(Reg. No. 34674)
Geraldine Monteleone	(Reg. No. 40097)
John C. Moran	(Reg. No. 30782)
Michael A. Morra	(Reg. No. 28975)
Gregory J. Murgia	(Reg. No. 41209)
Claude R. Narcisse	(Reg. No. 38979)
Joseph J. Opalach	(Reg. No. 36229)
Neil R. Ormos	(Reg. No. 35309)
Eugen E. Pacher	(Reg. No. 29964)
Jack R. Penrod	(Reg. No. 31864)
Daniel J. Piotrowski	(Reg. No. P-42079)
Gregory C. Ranieri	(Reg. No. 29695)
Scott J. Rittman	(Reg. No. 38010)
Eugene J. Rosenthal	(Reg. No. 36658)
Bruce S. Schneider	(Reg. No. 27949)
Ronald D. Slusky	(Reg. No. 26585)
David L. Smith	(Reg. No. 30592)
Patricia A. Verlangieri	(Reg. No. P-42201)
John P. V. schi	(Reg. No. 39058)
David Volejnicek	(Reg. No. 29355)
Charles L. Warr n	(Reg. No. 27407)

Charles L. Warren
Eli Weiss

(R g. No. 27407)
(Reg. No. 17765)

I hereby appoint the attorney(s) on ATTACHMENT A as associate attorney(s) in the aforementioned application, with full power solely to prosecute said application, to make alterations and amendments therein, to receive the patent, and to transact all business in the Patent and Trademark Office connected with the prosecution of said application. No other powers are granted to such associate attorney(s) and such associate attorney(s) are specifically denied any power of substitution or revocation.

Full name of 1st joint inventor: David L. Angst

Inventor's signature David L. Angst Date 1/25/99

Residence: New Tripoli, County of ^{Bucks} ~~Bucks~~, State of Pennsylvania
_{Lehigh}

Citizenship: United States of America

Post Office Address: 6715 Memorial Road
New Tripoli, PA 18031

Full name of 2nd joint inventor: David Gerald Coult

Inventor's signature David Gerald Coult Date 1/26/99

Residence: ^{Oley} ~~Bechtelsville~~, County of Berks, State of Pennsylvania

Citizenship: United States of America

Post Office Address: ~~24 North Main Street~~ RR 2 Box 108AA
~~Bechtelsville, PA 19506~~ OLEY PA 19547 (DCC)

1-1-11-21-28

Full name of 3rd joint inventor: John William Os nbach

Inventor's
signature

John William Os nbach Date 2-17-99

Residence: Kutztown, County of Berks, State of Pennsylvania

Citizenship: United States of America

Post Office Address: 17 Walnut Drive
Kutztown, PA 19503

Full name of 4th joint inventor: Gustav Edward Derkits, Jr. GED

Inventor's
signature

Gustav Edward Derkits, Jr. Date 2-15-99

Residence: New Providence, County of Union, State of New Jersey

Citizenship: United States of America

Post Office Address: 55 Holmes Oval
New Providence, NJ 07974

Full name of 5th joint inventor: Brian Stauffer Auker

Inventor's
signature

Brian Stauffer Auker Date 1-25-99

Residence: Denver, County of Lancaster, State of Pennsylvania

Citizenship: United States of America

Post Office Address: 306 Hill Road
Denver, PA 17517

FOOTNOTES

ATTACHMENT A

Attorney Name(s):	Bruce M. Collins	Reg. No.:	20,066
	Ronald Gould		28,299
	Diane Dunn McKay		34,586
	Glen E. Books		24,950
	Scott N. Bernstein		38,827
	Anastasia P. Winslow		40,875
	Paul A. Schwarz		37,577
	Charles Brumlik		42,367

Telephone calls should be made to Paul A. Schwarz at:

Phone No.: (609) 924-8555

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All written communications are to be addressed to:

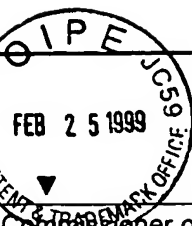
Paul A. Schwarz
Mathews, Collins, Shepherd & Gould, P.A.
100 Thanet Circle, Suite 306
Princeton, New Jersey 08540-3674

1002027422004

FILING DATE: 11/20/1998
ISSUE DATE:

TARA WASHINGTON, EXAMINER
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS

$\frac{1}{\sqrt{\pi}} \int_{-\infty}^{\infty} f(x) e^{-x^2} dx = f(0)$



03-15-1999



100982864

Pat No.: Angst 1-1-11-21-25

U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

Tab settings →

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

ANGST, David L.; COULT, David Gerald
OSENBACH, John William; DERKITS, Gustav Edward, Jr.;
AUKER, Brian Stauffer

Additional names(s) of conveying party(ies)

☐ Yes ☒ No

3. Nature of conveyance:

2-25-99

☒ Assignment

☐ Merger

☐ Security Agreement

☐ Change of Name

☐ Other

Execution Date: 1/25/99; 1/26/99; 2/15/99; 2/17/99

2. Name and address of receiving party(ies):

Name: LUCENT TECHNOLOGIES INC.

Address: 600-700 MOUNTAIN AVENUE

P.O. BOX 636

City: MURRAY HILL

State/Prov.: NJ

Country: U.S.

ZIP: 07974

Additional name(s) & address(es)

☐ Yes ☒ No

4. Application number(s) or registration numbers(s):

If this document is being filed together with a new application, the execution date of the application is:

Patent Application No.

Filing date

B. Patent No.(s)

09/197,074

Additional numbers

☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Paul A. Schwarz, Esq.

Registration No. 37,577

Address: 100 Thanet Circle, Suite 306

03/02/1999 CVOBACH 00000037 122325 09197074

01 FC:581 40.00 CH

City: Princeton

State/Prov.: NJ

Country: US

ZIP: 08540

6. Total number of applications and patents involved:

1

7. Total fee (37 CFR 3.41):.....\$ 40.00

☐ Enclosed - Any excess or insufficiency should be credited or debited to deposit account

☒ Authorized to be charged to deposit account

8. Deposit account number:

12-2325

40E

DO NOT USE THIS SPACE

9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Paul A. Schwarz, Esq.

Name of Person Signing

Signature

February 22, 1999

Date

7

Total number of pages including cover sheet, attachments, and

Angst 1-1-11-21-26

ASSIGNMENT AND AGREEMENT

Lehigh (D&O) For value received, we, David L. Angst of New Tripoli in the County of Bucks and State of Pennsylvania, David Gerald Coult of ~~Boothville~~ ^{Boothville} in the County of Berks and State of Pennsylvania, John William Osenbach of Kutztown in the County of Berks and State of Pennsylvania, Gustav Edward Derkits, Jr. of New Providence in the County of Union and State of New Jersey and Brian Stauffer Auker of Denver in the County of Lancaster and State of Pennsylvania, hereby sell, assign and transfer to Lucent Technologies Inc., a corporation of the State of Delaware, having an office at 600 Mountain Avenue, Murray Hill, New Jersey 07974-0636, U.S.A., and its successors, assigns and legal representatives, the entire right, title and interest, for the United States of America, in and to certain inventions related to **KINETICALLY CONTROLLED SOLDER BONDING** described in an application for Letters Patent of the United States, executed by us of even date herewith, and all the rights and privileges in said application and under any and all Letters Patent that may be granted in the United States for said inventions; and we also concurrently hereby sell, assign and transfer to Lucent Technologies Inc. the entire right, title and interest in and to said inventions for all countries foreign to the United States, including all rights of priority arising from the application aforesaid, and all the rights and privileges under any and all forms of protection, including Letters Patent, that may be granted in said countries foreign to the United States for said inventions.

We authorize Lucent Technologies Inc. to make application for such protection in its own name and maintain such protection in any and all countries foreign to the United States, and to invoke and claim for any application for patent or other form of protection for said inventions, without further authorization from us, any and all benefits, including the right of priority provided by any and all treaties, conventions, or agreements.

We hereby consent that a copy of this assignment shall be deemed a full legal and formal equivalent of any document which may be required in any country in proof of the right of Lucent Technologies Inc. to apply for patent or other form of protection for said inventions and to claim the aforesaid benefit of the right of priority.

We request that any and all patents for said inventions be issued to Lucent Technologies Inc. in the United States and in all countries foreign to the United States, or to such nominees as Lucent Technologies Inc. they may designate.

We agree that, when requested, we shall, without charge to Lucent Technologies Inc. but at its expense, sign all papers, and do all acts which may be necessary, desirable or convenient in connection with said applications, patents, or other forms of protection.

David L. Angst
David L. Angst
(David L. Angst)

Date: 1/25/99

United States of America)

State of Penna) ss.:
County Lehigh)
City of Lehigh)

On this 25th day of January, 19 99, before me personally came David L. Angst, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

Doreen Michele
Notary Public

NOTARIAL SEAL
DOREEN M. MICHELETTI, Notary Public
Breinigsville, Lehigh County
My Commission Expires Oct. 30, 2000

100211-1000

David Gerald Coult
David Gerald Coult

Date: 1/26/99

United States of America)

State of Penna) ss.:

County of Lehigh)

On this 26th day of January, 19 99, before me personally came David Gerald Coult, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

Doreen Micheletti
Notary Public



100-2207-122007


John William Osenbach

Date: 2-17-99

United States of America)

State of Penna) ss.:

County of Lehigh)

On this 17th day of February, 19 99, before me personally came John William Osenbach, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.


Notary Public

NOTARIAL SEAL
DOREEN M. MICHELETTI, Notary Public
Breinigsville, Lehigh County
My Commission Expires Oct. 30, 2000

NOTARY PUBLIC

Gustav Edward Derkits, Jr.
Gustav Edward Derkits, Jr. GED

Date: 2-15-99

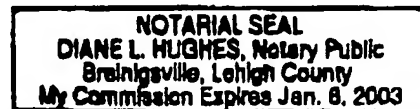
United States of America)

State of Pennsylvania) ss.:

County of Lehigh)

On this 15th day of February, 1999, before me personally came Gustav Edward Derkits, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

Diane L. Hughes
Notary Public



100-1-11-21-26

Brian Stauffer Auker
Brian Stauffer Auker

Date: 1-25-99

United States of America)

State of Penna) ss.:

County of Lehigh)

On this 25th day of January, 1999, before me personally came Brian Stauffer Auker, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

Doreen Micheletti
Notary Public



Lucent Technologies Inc.
600 Mountain Avenue (Room 3C-512)
P. O. Box 636
Murray Hill, New Jersey 07974-0636